

ETCR[®] EM7300/ EM7300A Large Caliber Three Phase Clamp Power Meter

Product Function

Measure three-phase AC voltage, leakage current, current, active power, reactive power, apparent power, total power, phase between current and voltage, phase between phase voltage, frequency, electric energy, phase sequence, etc.

Product features

1. Distinguish wiring group, inductive circuit and capacitive circuit of transformer, read out the phase relationship between CT of each group of differential protection, check whether the wiring of the electricity meter is correct or not, overhaul the circuit equipment, etc.
2. Large caliber 80mm×80mm (can clamp ϕ 80mm cable or 96mm×4mm steel flat ground cable), convenient to use.
3. Data storage function.
4. With RS232 interface, upload the storage data to the computer through the system software, convenient to reading, saving, printing and so on.



Technical Specification

Model	EM7300	EM7300A
Function	Measure leakage current, active power, reactive power, apparent power and other parameters	Measure large current, large power, can not measure leakage current, the current up to 5A can display the active power, reactive power, apparent power and other parameters.
Current Range	AC 0.00mA~1200A Resolution 0.01mA	AC 0.0A~2000A Resolution 0.1A
Power Range	AC 0.5W~720kW Resolution 0.01W	AC 0.0KW~1200kW Resolution 0.1kW
Apparent Power Measurement	AC 0.50VA~720kVA Resolution 0.01VA	AC 0.0kVA~1200kVA Resolution 0.1kVA
Reactive Power Measurement	AC 0.50var~720kvar Resolution 0.01var	AC 0.0kvar~1200kvar Resolution 0.1kvar
Voltage Range	AC 0~600V Resolution 0.01V	
Frequency Range	25Hz~100Hz Resolution 0.1Hz	
Phase Range	0.0°~360.0° Resolution 0.1°	
Power Factor Range	0.300~1.000 Resolution 0.001	
Power Energy Range	0.000kWh~72000kWh Resolution 0.0001kWh	
Highest precision	$\pm(1.5\%rdg+5dgt)$	
Power Supply	DC6V alkaline dry batteries (LR6 1.5VX4PCS)	
Working Current	Backlight open 50mA; Backlight close 25mA	
Weight	830g (with battery)	
Meter Dimension	275mmX145mmX40mm	
CT Size	80mmX80mm (can clamp ϕ 80mm cable or 96mmX4mm steel flat ground cable)	
Sampling Rate	2 times/second	
Frequency	50Hz, 60Hz automatic identification	
Communication Interface	Storage data can be uploaded to computer, convenient to data analyze, communication cable length: 1.8m	
Data Storage	200 groups, flash display "FULL" symbol indicate storage full	
Data Hold	Data hold function: "HOLD" symbol display	
Overflow Display	Exceed measure range overflow function: "OL" symbol display	
Auto Shut Down	15 minutes after power on, it will shut down automatically without any operation to reduce the power consumption.	
Battery Voltage	While battery voltage is lower than 5.2V. low battery voltage symbol display, remind to replace the battery	
Backlight	Yes, Controlled by "☐"key	
Line Voltage	Below AC 600V circuit measurement	
Accessories	Meter: 1PCS; Test Wires: 4PCS (each of yellow, green, red, black); Communication cable: 1PCS; Meter Case: 1PCS; LR6 battery: 4PCS	